

Serial No. 09/699,303
Third Amendment After Final
June 3, 2004

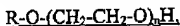
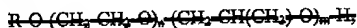
Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1 - 16 (CANCELED).

Claim 17 (CURRENTLY AMENDED): A non-flotation process for deinking recycled newsprint comprising adding a deinking composition that is solid at room temperature comprising one or more surfactants to a recycled newsprint pulp stream in a washing stage and separating ink released by the recycled newsprint, the composition comprising active ingredients consisting of surfactants including at least 50% by weight based on the total weight of surfactants of non-ionic, aliphatic, monohydric alcohol alkoxylates consisting essentially of alkoxylates of the following structure:



wherein R is a straight chain or branched chain alkyl group of from about 16 to about 18 carbons and n is from about 18 to about 25. C16-C25 alkyl group, n is from 14 to 40 and m is from 0 to about 6.

Claim 18: (CANCELED)

Claim 19: (CANCELED)

Claim 20: (CANCELED)

Claim 21: (CANCELED).

Claim 22: The process according to Claim 17, wherein the alkoxylates are saturated.

Claim 23 (CANCELED).

Claim 24: (CURRENTLY AMENDED) The process according to Claim 17, wherein R is a straight chained, C16-C18 ~~C25~~ alkyl group.

Claim 25: (CANCELED).

Claim 26: The process according to Claim 17, wherein the alkoxylates are based on primary or secondary alcohols.

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Claim 27: (CANCELED).

Claim 28: (CANCELED).

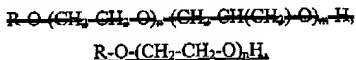
Claim 29: The process according to Claim 17, wherein the recycled newsprint pulp stream further comprising from 0 to about 25% by weight of one or more fatty acids based on the total weight of surfactants.

Claim 30: The process according to Claim 29, wherein said one or more fatty acids are selected from the group consisting of lauric acid, oleic acid, stearic acid, tall oil fatty acid, tallow fatty acid, coconut fatty acid, and mixtures thereof.

Claim 31: (CURRENTLY AMENDED) The process according to Claim 17, wherein the alkoxyates are present in an amount from about 0.3% to about 0.7% by weight based on the oven-dry weight of the ~~wastepaper~~ newsprint.

Claim 32: (CURRENTLY AMENDED) The process according to Claim 17, wherein the recycled newsprint pulp stream is at a pH of from about 7 to about 10 ~~greater than 7 to 10~~.

Claim 33 (CURRENTLY AMENDED) In a non-flotation process for making recycled paper from recycled newsprint pulp that uses less sizing agents to produce paper with the same level of water repellency, the improvement comprising: adding a deinking composition that is solid at room temperature comprising one or more surfactants to a recycled newsprint pulp stream in a washing stage and separating ink released by the recycled newsprint, the composition comprising active ingredients consisting of surfactants non-ionic, aliphatic, monohydric alcohol surfactant alkoxyates ~~consisting essentially of alkoxyates~~ of the following structure:



wherein R is a straight chain or branched chain alkyl group of from about 16 to about 18 carbons and n is from about 18 to about 25. ~~C16-C25 alkyl group, n is from 14 to 40 and m is from 0 to about 6,~~ wherein the process produces paper using less sizing agents.

Claim 34 (CANCELED).

Claim 35: (CANCELED)

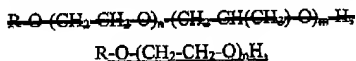
Claim 36 (CANCELED).

Claim 37 (CANCELED).

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Claim 38 (CANCELED).

Claim 39 (CURRENTLY AMENDED): A non-flotation process for deinking wastepaper comprising adding a deinking composition that is solid at room temperature comprising one or more surfactants to a recycled newsprint pulp stream in a washing stage and separating ink released by the recycled newsprint, the surfactants including composition comprising active ingredients consisting of non-ionic, aliphatic, monohydric alcohol surfactant alkoxyates consisting essentially of alkoxyates of the following structure:



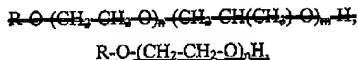
wherein R is a straight chain or branched chain alkyl group of from about 16 to about 18 carbons and n is from about 18 to about 25 ~~C16-C25 alkyl group, n is from 14 to 40 and m is from 0 to about 6,~~

Claim 40: (CANCELED)

Claim 41 (CANCELED).

Claim 42 (CANCELED).

Claim 43 (CURRENTLY AMENDED) A non-flotation process for deinking recycled newsprint comprising adding a deinking composition ~~comprising one or more surfactants~~ that is solid at room temperature to a recycled newsprint pulp stream in a washing stage and separating ink released by the recycled newsprint, the composition comprising active ingredients consisting of surfactants including at least 50% by weight based on the total weight of surfactants of non-ionic, aliphatic, monohydric alcohol surfactant alkoxyates of the following structure:



wherein R is a straight chain or branched chain C18 alkyl group, and n is 21 and m is from 0 to about 6.

Claim 44: (CANCELED).

Claim 45: The process of claim 43, wherein R is a straight chain.